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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/217,682 12/21/98 CLARK

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EXAMINER

HOOSAIN, A

ART UNIT

PAPER NUMBER

2645

DATE MAILED:

09/17/01

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

## Office Action Summary

Application No.

09/217,682

Applicant(s)

CLARK, CURTIS

Examiner

Allan Hoosain

Art Unit

2645

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 21 December 1998.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, 5-8, 10-13, 16 and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Dao et al.** (US 5,915,207) in view of **Simon** (US 5,570,354).

As to Claims 1,6,18, with respect to Figures 1-2, **Dao** teaches a system comprising:

a satellite communication subsystem (Figure 1, label 24);

a wireless local area network (LAN) that includes at least one computer (Figure 1, labels 30 and 32);

and

a mobile unit configured to transfer broadband information as a single nomadic transmission/ reception point between the satellite communication subsystem and the wireless LAN using an Ethernet packet switching protocol (Col. 5, lines 13-44);

**Dao** does not teach the following limitation:

“a single nomadic transmission/reception point”

**Simon** teaches the limitation (Figure 1, label 40). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add mobile relay capability to **Dao**'s invention for providing services between functional areas as taught by **Simon**'s invention in order to provide dissemination of information to mobile users.

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As to Claims 2-3, 11-12, **Dao** teaches the system defined Claim 1 wherein the broadband information comprises data (Col. 6, lines 38-59).

As to claims 5, 8, 16, 20, **Dao** teaches the system defined Claim 1 wherein the wireless LAN comprises a plurality of nodes with at least one personal computer at each of the plurality of nodes (Col. 4, lines 62-67).

As to Claims 7, 19, **Dao** teaches the system defined Claim 1 wherein the mobile hub comprises a server to control the relaying of information (Col. 6, lines 23-28).

As to Claim 10, with respect to Figures 1-2, **Dao** teaches a system comprising:

a satellite communication subsystem to operate as a secured private intranet to transfer broadband information using an Ethernet packet switching protocol (Figure 1, labels 24, 26, 32, 30);

a wireless local area network (LAN) to transfer information using the ethernet packet protocol, wherein the wireless LAN comprises a plurality of nodes with an individual computer at each of the plurality of nodes (Figure 1, label 30); and

a mobile unit to transfer broadband information as a single transmission/ reception point between the satellite communication system and the wireless LAN (Figure 1, label 26);

**Dao** does not teach the following limitation:

“a single nomadic transmission/reception point”

**Simon** teaches the limitation (Figure 1, label 40). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add mobile relay capability to **Dao**'s invention for providing services between functional areas as taught by **Simon**'s invention in order to provide dissemination of information to mobile users.

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As to Claim 13, with respect to Figures 1-2, **Dao** teaches telecomputer network system comprising:

a satellite communications system (Figure 1, label 24);

a wireless local area network (LAN) (Figure 1, label 32); and

a mobile hub station configured to transfer information as a single transmission/ reception point between the satellite communication system and the wireless LAN, such that information is transferred over the network using ethernet packet switching protocol;

**Dao** does not teach the following limitation:

“a single nomadic transmission/reception point”

**Simon** teaches the limitation (Figure 1, label 40). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add mobile relay capability to **Dao**'s invention for providing services between functional areas as taught by **Simon**'s invention in order to provide dissemination of information to mobile users.

3. Claims 4, 14-15, 17, 21-25 and 27 -28 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Dao** in view of **Simon** and further in view of **Parzych** (US 6,115,384).

As to Claims 4, 14-15, 21-23, 25 and 27-28, with respect to Figures 1-2, **Dao** teaches a telecomputer network comprising:

a wireless wide area network (WAN) comprising a redundant satellite communication system configured to operate as an intranet (Figure 1, label 24);

a wireless local area network (LAN), wherein the wireless LAN comprises a plurality of nodes with an individual personal computer at each of the plurality of nodes (Figure 1, labels 32, 30); and

a mobile unit configured to transfer information as a single nomadic transmission/ reception point between

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the satellite communication system and the wireless LAN, wherein transfers of information over the network;

**Dao** does not teach the following limitation:

- (a) a mobile vehicle or portable field unit
- (b) TCP/IP protocols

**Simon** teaches limitation (a) (Figure 1, label 40). **Parzych** teaches limitation (b). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add mobile relay and TCP/IP capabilities to **Dao's** invention for providing services between functional areas as taught by **Simon's** and **Parzych's** inventions in order to provide dissemination of information to mobile users.

As to Claims 17,24, **Dao** teaches the network defined Claim 13 wherein the satellite communication system comprises a network operations center;

**Dao** does not teach the following limitation:

“a plurality of hubs, wherein each hub comprises a wireless router and a relay station to relay information between hubs”

**Parzych** teaches the limitation (Figure 2, labels 48,50,52). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add hub and router capabilities to **Dao's** invention for providing services between functional areas as taught by **Parzych's** invention in order to provide dissemination of information to mobile users.

4. Claims 9,26 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Dao** in view of **Simon** and further in view of **Rebec et al.** (US 6,175,717).

As to claims 9,26, **Dao** teaches the system of defined in Claim 1:

**Dao** does not teach the following limitation:

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“wherein the mobile unit comprises a vehicle”

**Rebec** teaches the limitation (Figure 3B). Having the cited art at the time the invention was made, it would have been obvious to one of ordinary skill in the art to add vehicle capability to **Dao's** invention for providing services in real time as taught by **Rebec's** inventions in order to provide dissemination of information to mobile users.

### *Conclusion*

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Wright, Jr. et al.** (US 5,857,201) teaches an enterprise system for connecting wireless systems.

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
or faxed to:

(703) 308-6306, (for formal communications intended for entry)

**Or:**

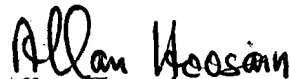
(703) 308-6296 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Allan Hoosain** whose telephone number is (703) 305-4012. The examiner can normally be reached on Monday to Friday from 7 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Fan Tsang**, can be reached on (703) 305-4895.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

  
**Allan Hoosain**  
**Primary Examiner**  
9/11/01